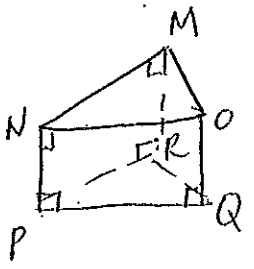
CP Geometry Study Guide Unit 3 Name _____

3.1

Refer to the figure in the first example.



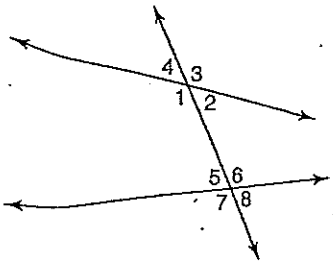
1. Name two more pairs of parallel segments.

2. Name two more segments skew to $\overline{NM}$.

3. Name two transversals for parallel lines $\overleftrightarrow{NO}$ and $\overleftrightarrow{PQ}$.

4. Name a segment that is parallel to plane MRQ.

Identify the special name for each pair of angles in the figure.



5. $\angle 2$ and $\angle 6$

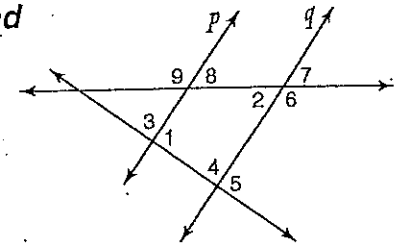
6. $\angle 4$ and $\angle 8$

7. $\angle 4$ and $\angle 5$

8. $\angle 2$ and $\angle 5$

3.2

In the figure at the right $p \parallel q$, $m\angle 1 = 78$, and $m\angle 2 = 47$. Find the measure of each angle.



1. $\angle 3$

2. $\angle 4$

3. $\angle 5$

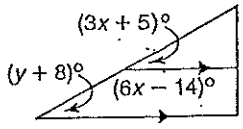
4. $\angle 6$

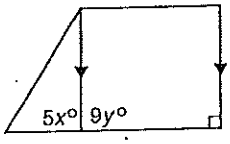
5. $\angle 7$

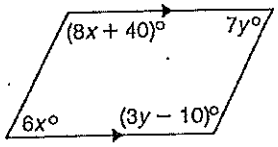
6. $\angle 8$

7. $\angle 9$

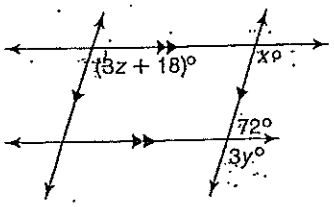
Find the values of x and y in each figure.

8. 

9. 

10. 

Find the values of x, y and z in each figure.

11. 

12.